Name: ____

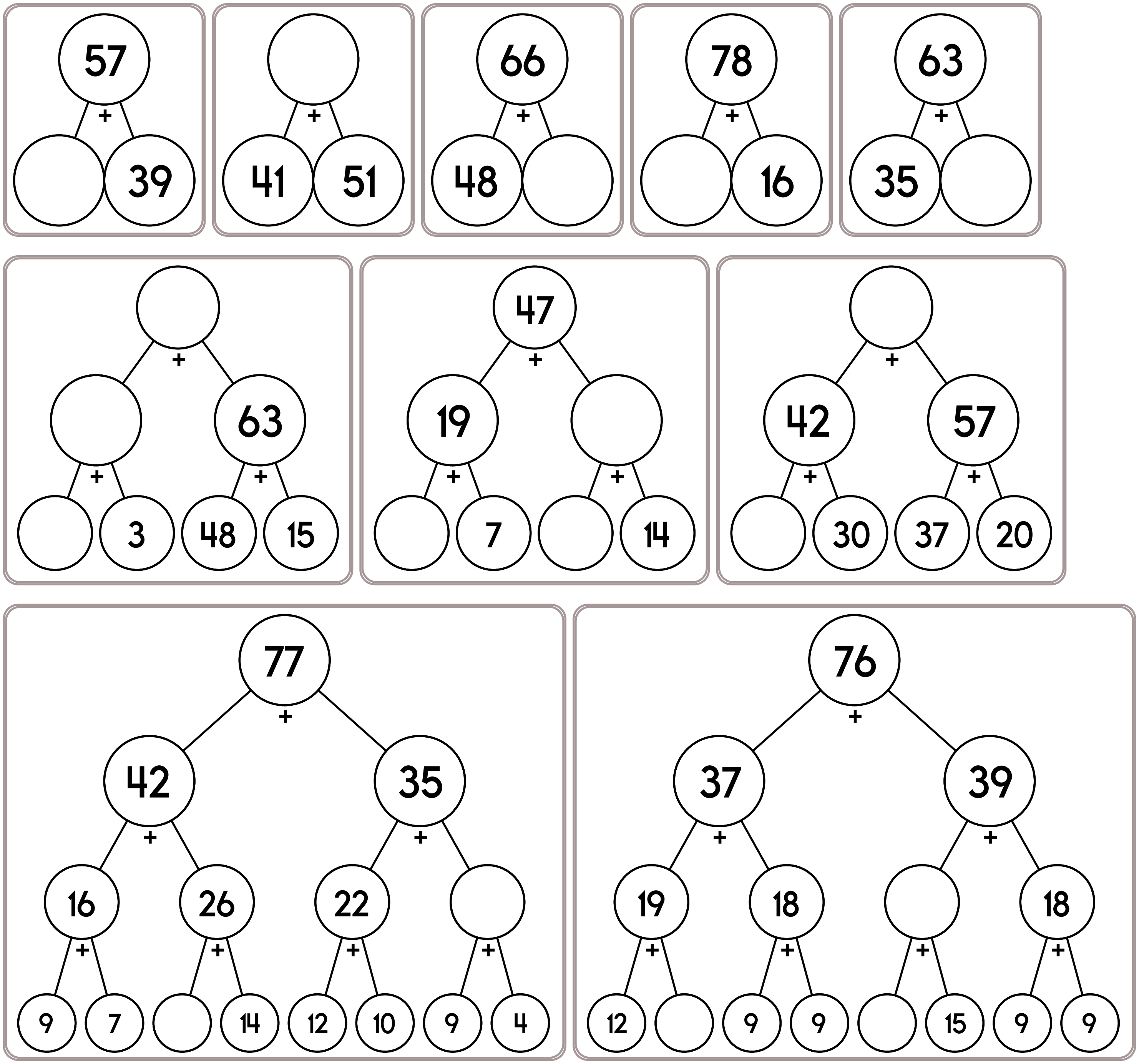
Product	Factor	Factor
6	2	3
36	9	
27		9
21	3	
45		5
15	3	
45		5
9		3

MAD MINUTES

45 ÷ 5 =	18 ÷ 2 =	10 ÷ 2 =
35 ÷ 7 =	9 ÷ 3 =	15 ÷ 3 =
24 ÷ 6 =	40 ÷ 5 =	48 ÷ 8 =
54 ÷ 9 =	72 ÷ 8 =	16 ÷ 8 =

$11\overline{)55}$ $11\overline{)66}$ $12\overline{)36}$ $9\overline{)81}$

Name: ____



0.8 x 0.6

$\frac{2}{6} \div \frac{1}{12} =$

Rewrite $\frac{22}{25}$ as a decimal.

word root **bene** can mean **well or good** **benevolence, benevolent**

Name: ______________________________________

In 2000, the British Museum paid £50,000 for a 700-year-old statuette found in Hertfordshire. If the exchange rate was one British pound equals 1.83 U.S. dollars, how much did the British Museum pay for the statuette in dollars?

Metro Messenger Service delivered one million, one hundred forty-eight thousand, fifty-five messages last year. Write that number in standard form.

The purchasing agent at the Painter Bear factory bought 12,500 sets of eyes for the bears. On Monday 9,737 sets of eyes were used. How many sets of eyes are left?

Name: ______________________________

608	914	370	389	302
- 36	- 97	- 66	- 39	- 64

770	610	315	394	760
- 85	- 14	- 37	- 51	- 66

MAD MINUTES

193 - ____ = 174   ____ - 80 = 711

267 - ____ = 221   ____ - 30 = 444

108 - ____ = 56   ____ - 44 = 955

____ - 90 = 348   261 - ____ = 206

25: 5 x ____

24: ____ x 4

30: 6 x ____

56: ____ x 8

12: 4 x ____

18: 9 x ____

6: ____ x 2

8: 2 x ____

Name: ______________________________

Top	+	+
( )	66	13
( )	33	17
89	50	( )
69	( )	12
42	22	( )

$$\begin{array}{r} 5.78 \\ \times \quad 7 \\ \hline \end{array}$$

Change $\frac{2}{20}$ to a decimal.

Change $\frac{1}{2}$ to a decimal.

y = x + 19
y = 28
What is the value of x?

2 x (108 ÷ 9) - 50 ÷ 10 =

1 + 90 ÷ 10

(5 + 10 + 6 + 13) =

$\frac{1}{1024}$, $\frac{1}{256}$, ______, $\frac{1}{16}$, $\frac{1}{4}$, (1) , (4) , (16) , (64)

6 x 6 x 6 x 6 x 6 = Z^y

What is the value of Z and y?

The letter V has an unknown value. If you multiply V by twelve, the product is four. What value does V have?

2 x 90 ÷ 9 - 24 ÷ 8 =

9 x 9 x 9 = 9^x

What is the value of x?

Name: ____

Product	x	
( )	9	2
( )	3	6
( )	5	6
( )	3	9
( )	3	6
( )	5	6
( )	8	6
( )	8	6

MAD MINUTES

799 - ____ = 393　　726 - ____ = 585

____ - 275 = 132　　____ - 260 = 233

____ - 590 = 236　　____ - 172 = 354

576 - ____ = 455　　717 - ____ = 278

MAD MINUTES

8 x 8 =　　3 x 8 =　　7 x 8 =

6 x 6 =　　7 x 7 =　　2 x 2 =

4 x 2 =　　9 x 6 =　　3 x 6 =

5 x 8 =　　6 x 4 =　　7 x 5 =

Name: ____

Top	Operation	Left	Right
494	x	38	
	x	32	11
42	+		25
77	+	26	
440	x	44	

What is the least common multiple of 12 and 18?

What is the least common multiple of 12, 24, and 16?

31 - m = 21

$5 \times 5 \times 5 = x^3$

What is the value of x?

0.6 • 7 =

What is the remainder of 140 divided by 16?

What is the area of a rectangle with a length of 40 centimeters and a width that is $\frac{1}{4}$ the length?

63714, 46371, 14637, 71463, ______, 63714, 46371, 14637, 71463, 37146, 63714, 46371, 14637, 71463

Find the least common denominator for the fractions $\frac{10}{12}$ and $\frac{5}{16}$.

Name: ____

Cross off the number that does NOT belong.

(128) , (64) , (32) ,

(16) , (9) , (8) , (4) ,

(2) , (1) , $\frac{1}{2}$, $\frac{1}{4}$

Why does __________ not belong in the pattern?

Cross off the number that does NOT belong.

237, 202, 170, 141, 115, 92, 72, 55, 41, 30, 22, 18, 17, 15

Why does __________ not belong in the pattern?

Name: ______________________________________

Find the missing numbers. These both have the same rule. What is the rule?

If

1 , 1 = 1

2 , 2 = 4

3 , 3 = 9

4 , 4 = 16

Then

5 , 5 = ?

If

6 , 6 = 36

7 , 7 = 49

8 , 8 = 64

9 , 9 = 81

Then

10 , 10 = ?

Complete each pattern. Write what the rule is.

$\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2, $2\frac{1}{4}$, $2\frac{1}{2}$, ______ , 3, $3\frac{1}{4}$, $3\frac{1}{2}$, $3\frac{3}{4}$, 4, $4\frac{1}{4}$

$\frac{3}{4}$, 1, $1\frac{1}{4}$, ______ , ______ , 2, $2\frac{1}{4}$, $2\frac{1}{2}$, ______ , ______ , $3\frac{1}{4}$, $3\frac{1}{2}$, $3\frac{3}{4}$, 4, $4\frac{1}{4}$, $4\frac{1}{2}$, $4\frac{3}{4}$

Name: ______________________________

The sign on the rusty brown truck said, "For Sale. $300." Jacob counted his money. He only had $190.79. How much more money does he need to buy the truck?

Amanda walked to the store in 15.4 minutes. She bought Band-Aids for $0.55, gauze for $1.29, and suntan lotion for $2.89. She gave the clerk a $10 bill. She left the store at 3:45 a.m. It took her 19.6 minutes to walk home. How much longer did it take her to walk home than it took to walk to the store?

Mr. Miller, our teacher, rides his bicycle to school every day. It is 3.4 miles from his house to school. Write as a mixed number in lowest terms the total distance he rides getting to and from school each day.

How many inches are in 7 feet?

__________ inches

5 x 10 =

99 ÷ 11 = __________

448 - 399 = __________

7 x 4 =

$$\begin{array}{r} 22 \\ +\ 47 \\ \hline \end{array}$$

Rosa rolls a die. What is the chance of her rolling a 5?

____

10 x 11 =

10 kg = __________ g

6 x 5 = __________

24 ÷ 4 = __________

60 ÷ 12 =

$$\begin{array}{r} 866 \\ -\ 852 \\ \hline \end{array}$$

word root **or** can mean **one who or that which** **interceptor, receptor**

Name: ______________________________________

Fill in the missing operations to complete this equation:

17 ____ 16 ____ 23 = 24

12 x 11 = __________

5 x 9 = __________

The equation 48 ÷ 16 + 57 = 60 uses three different numbers and two different equations.
Make up your own equation which also has three different numbers and two different equations. The answer to your equation needs to be 40.

$$\begin{array}{r} 448 \\ +\ 231 \\ \hline \end{array}$$

22 ÷ 11 = __________

Rosa got a new soccer shirt. Can you guess the number on the back of her shirt?

It has two digits.
The digits add up to 9.
The larger digit is 7 more than the smaller digit.
The number is odd.

$$\begin{array}{r} 57 \\ -\ 25 \\ \hline \end{array}$$

Can 832 be evenly divided by 8? Circle:

832 is NOT evenly divisible by 8

832 is evenly divisible by 8

284 + 838 = __________________________

For 745,139,682, write the digit that is in the ten thousands place.

____

word root **acity** can mean **the quality of** **veracity**

Name: ______________________________

Circle the smallest number:

9,612,874 13,825,794

516,930,487,298 53,006

63 ÷ 7 = __________

1 km = 1,000 m

15 km = __________ m

Pick a month. Can you make up a calendar for your month with five Saturdays? Show your calendar below:

7 x 7 = __________

(6 + 8) + 9 =

Rewrite these in increasing order of length:

419 mm, 30 dm, 781 cm, 403 km, 859 m

15 ÷ 3 =

Can 484 be evenly divided by 4? Circle:

484 is evenly divisible by 4

484 is NOT evenly divisible by 4

49 ÷ 7 = __________

10 x 7 = __________

84 ÷ 7 =

In the number 7,871,588,925, the digit 9 is in what place?

____

Write an equation to represent this:

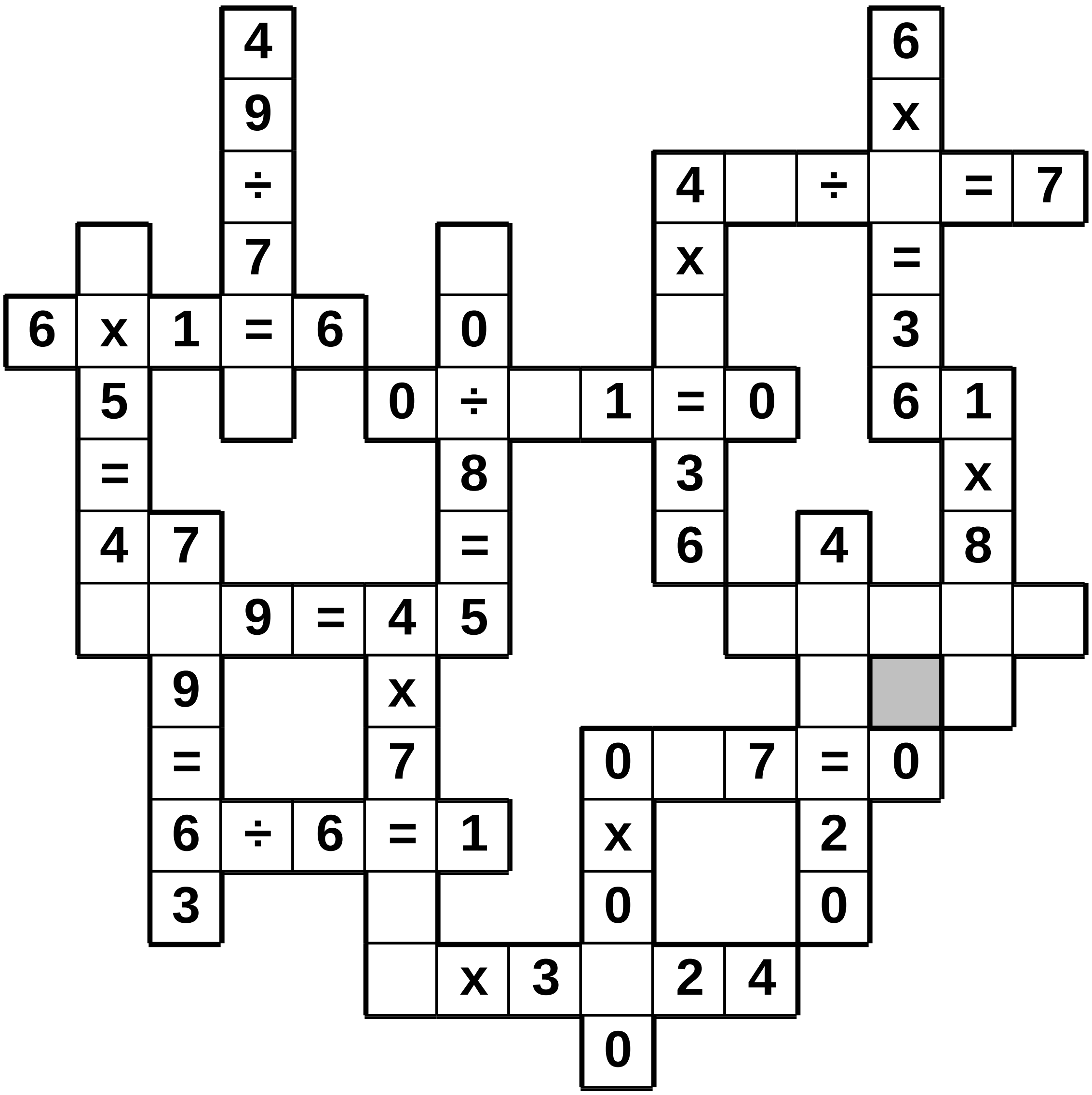
The sum of twelve and six is eighteen.

____

Name: ______________________________

2 • 6 • 9 • 4 • 9 • 7 • 1 • 5 • x • 1 • x • 1 • = • 1 • 5 • 8 • x
2 • 8 • =

Use the pieces above to help you fill in the runaway math puzzle.



Circle the addition property for 69 + 105 = 105 + 69.

commutative property

associative property

Write this as a number in standard form. Use a comma in your number.

three hundred seventeen thousand, four hundred nineteen

____

Name: ______________________________________

Emily, Hannah, Jasmine, and Sydney competed in the women's singles figure skating competition.

Each person has been assigned a technical and presentation ordinal mark. A mark of 1.0 indicated that the person was placed in first place. To determine the winner, the two marks from each judge are added together and assigned an ordinal. In case of a tie, the technical mark has more weight. If there is still a tie, we will allow both people to share the same rank. (Please note that these calculations are simplified from the actual Olympics.)

For the technical ordinal score, the judges give the best performance an ordinal of one. The next best performance receives an ordinal of two, and so on. The presentation ordinal score is assigned in the same way. So for four people, a person could have a presentation ordinal score ranging from 1 to 4.

(When ordinals are compared, a higher ordinal score actually means a lower number. For example an ordinal of 1 is better, and considered higher than an ordinal of 3.)
Figure out the scores for each skater and their final rankings.

1. One skater received a 2 presentation ordinal and a 4 technical ordinal.
2. One skater received a 3 presentation ordinal and a 1 technical ordinal.
3. Hannah had the best technical ordinal score.
4. Emily did not have a presentation ordinal mark of 1.
5. Sydney's technical ordinal score was higher than Jasmine's technical ordinal score.
6. Sydney's technical ordinal is lower than her presentation ordinal.
7. Emily's technical ordinal score was lower than Sydney's and higher than Jasmine's.

Emily received a score of ________________. Emily came in ________________ place.

Hannah received a score of ________________. Hannah came in ________________ place.

Jasmine received a score of ________________. Jasmine came in ________________ place.

Sydney received a score of ________________. Sydney came in ________________ place.

Name: ______________________________________

$3\overline{)172.5}$ $8\overline{)1.5032}$ $6\overline{)37.098}$

6x - 18.5 = 35.5

x =

In what quadrant would you find the point (1, -12)?

|-8| - z = 16

z =

What is the mode of the following number set?

16, 33, 15, 34, 22, 21, 21, 27, 36, 23, 31, 16, 17, 26, 24, 32

Rewrite as an algebraic expression or equation.

Add j to the product of 3 and 12

If c = 3, h = -7, and p = 14 then what is c x h - p?

Circle the percentage that is closest to 29 out of 61:

14%
75%
35%

$11.4688 \times 10^4 =$

Use >, <, or = to complete.

83% __ $\frac{2}{10}$

32% __ $\frac{2}{4}$

34% __ $\frac{1}{6}$

word root **mar** can mean **sea** **submarine, marina**

Name: ____

A printer can print 72 pages in 8 minutes. How many pages can the printer print in one minute?

How many pages can the printer print in one hour?

Jacob wants to hang out with friends at the bowling alley. The closest bowling alley he found offers lane rentals for $5.50 per hour from 10 a.m. until 5 p.m. After 5 p.m., prices jump to $7 per hour. If Jacob rents a lane for 3 hours starting at 4 p.m., how much will he have to pay?

At the amusement park near the exit for the Splasher ride, they offer a dryer for people to walk in and get completely dry in only five minutes. There are three dryers. Three people just walked into the three dryers and started the machine. Nineteen other people are waiting outside the dryers. How long will the last person in the line need to wait?

One-half of a cup of flour is needed to make 4 cookies using a recipe called Fantastic Flour Cookies. If Kevin has 19 cups of flour, what is the maximum number of Fantastic Flour Cookies he could make?

Name: ______________________________________

The digits in a 4-digit number add up to 30. The tens digit is 3. Can you name the number? Is there only one possible answer?

Circle the fraction that is greater.

$\frac{3}{9}$ or $\frac{11}{27}$

Now draw both fractions on a number line

to show that your answer is correct:

Pam likes to draw triangles, but isosceles triangles are her favorite.

"They are so cool," she explains. "They have two equal sides and two equal angles. After I draw the triangle, I write the angle that is the same. Can you guess the third angle?"

She drew a blue triangle and wrote 24°. She drew a yellow triangle and wrote 46°. She drew a red triangle and wrote 51°. What is the third angle for each of her triangles?

Name: ____

X	10					9
2	2 x 10	2 x ___	2 x ___	2 x ___	2 x ___	18 2 x 9
12	12 x 10	12 x ___	12 x ___	108 12 x ___	12 x ___	12 x 9
5	5 x 10	5 x ___	5 x ___	45 5 x ___	5 x ___	45 5 x 9
	120 ___ x 10	___ x ___	___ x ___	___ x ___	___ x ___	108 ___ x 9
	___ x 10	___ x ___	___ x ___	___ x ___	___ x ___	72 ___ x 9
	80 ___ x 10	___ x ___	___ x ___	___ x ___	80 ___ x ___	___ x 9
10	10 x 10	10 x ___	90 10 x ___	10 x ___	10 x ___	10 x 9
	___ x 10	14 ___ x ___	63 ___ x ___	___ x ___	___ x ___	___ x 9

10 x 4 = __________

55 ÷ 5 = __________

Circle the digit in the hundredths place.

45.596

95,239 - 25,478 = ________________________

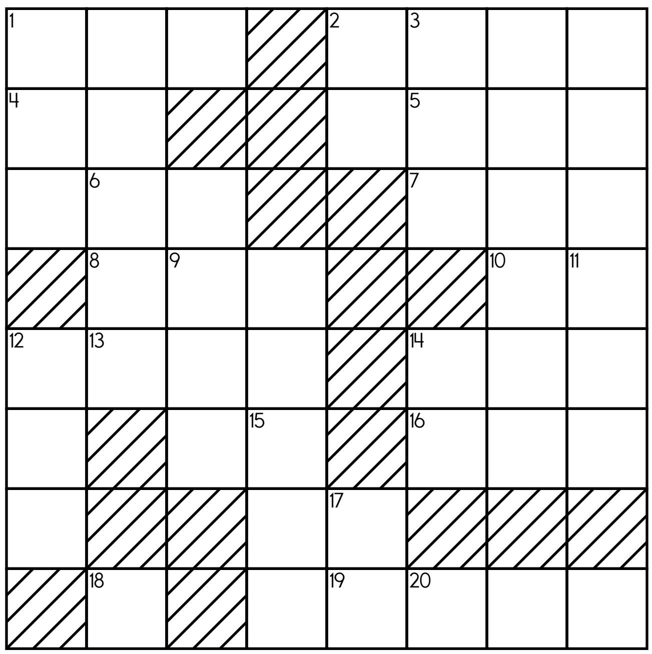
Name: ____

ACROSS

1. 15-Down plus 20-Across
3. Two more than 15-Down
4. One-fifth of 11-Down
5. Six more than 12-Down
6. One-seventh of 5-Across
7. Eight times 6-Across
8. Four more than 10-Down
13. Nine more than 3-Across
16. 1-Across plus 8-Across
20. 6-Down plus 15-Down

DOWN

1. Eight less than 1-Across
2. Four times 6-Across
6. Eight less than 10-Down
9. Four more than 13-Across
10. **Nickels in six dollars**
11. Four less than 20-Across
12. Six less than 6-Down
14. One-ninth of 13-Across
15. 6-Down plus 10-Down
17. One-fourth of 6-Down
18. One-eighth of 6-Across
19. One-eighth of 2-Down



The letters H and O each have a line of symmetry. Name another letter between H and O that has a line of symmetry.

____

Circle the greatest number:

7,039,751,346

5,694,218

8,201

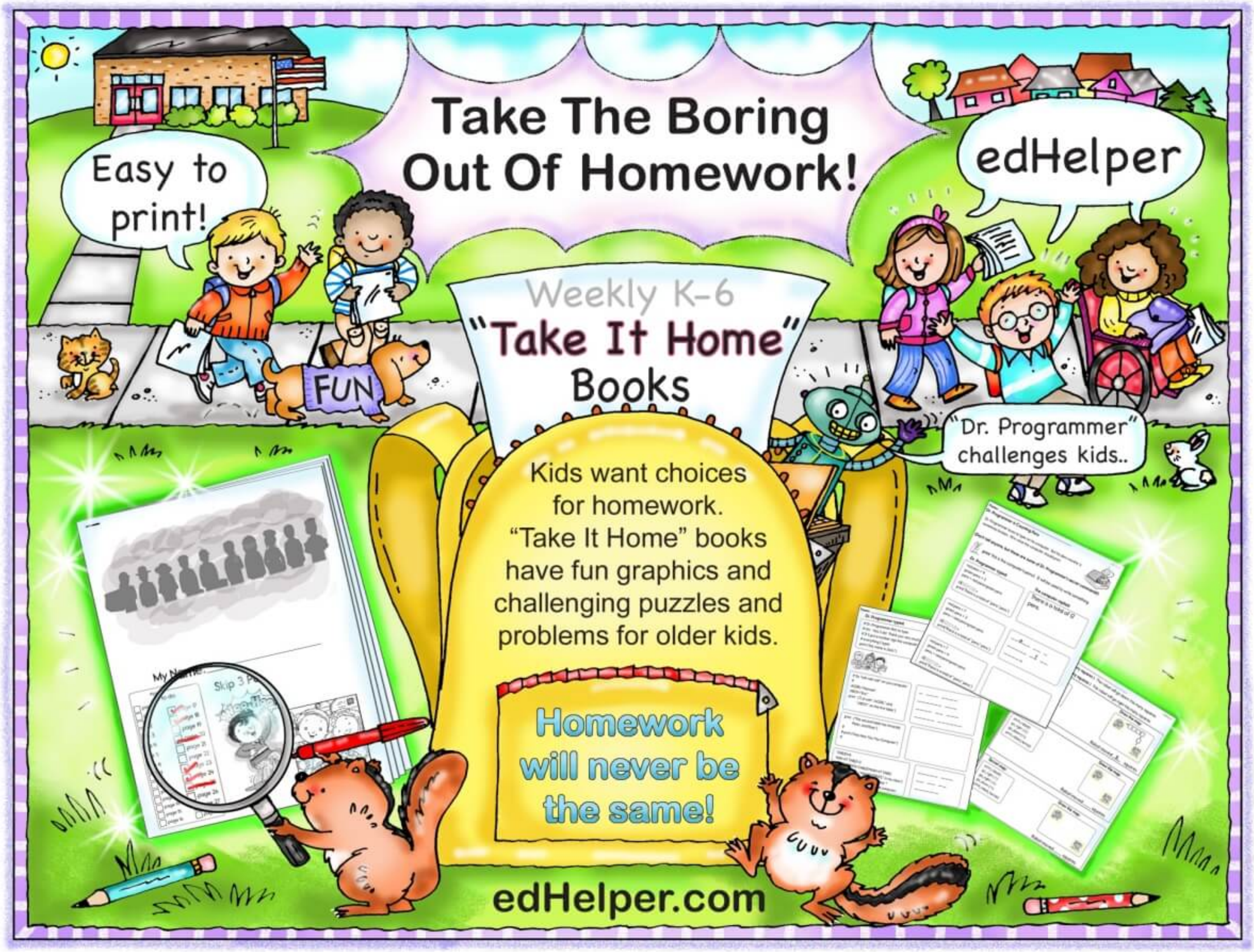
63,720,895,428

77 ÷ 7 = __________

33 ÷ 3 = __________



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